

Xinwu Ba

List of Publications by Year in descending order

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papers

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citations

516561

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55
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1006
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart H ₂ O ₂ -Responsive Drug Delivery System Made by Halloysite Nanotubes and Carbohydrate Polymers. ACS Applied Materials & Interfaces, 2017, 9, 31626-31633.	4.0	77
2	Stretchable, self-healable, and reprocessable chemical cross-linked ionogels electrolytes based on gelatin for flexible supercapacitors. Journal of Materials Science, 2020, 55, 3991-4004.	1.7	57
3	Selective Modification of Halloysite Nanotubes with 1-Pyrenylboronic Acid: A Novel Fluorescence Probe with Highly Selective and Sensitive Response to Hyperoxide. ACS Applied Materials & Interfaces, 2015, 7, 23805-23811.	4.0	56
4	Fluorescent water-soluble probes based on dendritic PEG substituted perylene bisimides: synthesis, photophysical properties, and live cell images. Journal of Materials Chemistry, 2012, 22, 6176.	6.7	42
5	Helical columnar liquid crystals based on dendritic peptides substituted perylene bisimides. Journal of Materials Chemistry, 2011, 21, 15975.	6.7	39
6	Synthesis, Photophysics, and Self-Assembly of Furan-Embedded Heteroarenes. Chemistry - A European Journal, 2015, 21, 14791-14796.	1.7	35
7	A facile one-step grafting of polyphosphonium onto halloysite nanotubes initiated by Ce(IV). Chemical Communications, 2019, 55, 1040-1043.	2.2	33
8	Effect of curcumin derivatives on hen egg white lysozyme amyloid fibrillation and their interaction study by spectroscopic methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117365.	2.0	31
9	Coumarin-anchored halloysite nanotubes for highly selective detection and removal of Zn(II). Chemical Engineering Journal, 2020, 393, 124695.	6.6	30
10	Synthesis of water-soluble curcumin derivatives and their inhibition on lysozyme amyloid fibrillation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 190, 89-95.	2.0	24
11	Aa-Bb-type Stockmayer distribution and scaling study. Macromolecules, 1991, 24, 3696-3699.	2.2	23
12	High-performance ionic liquid-based nanocomposite polymer electrolytes with anisotropic ionic conductivity prepared by coupling liquid crystal self-templating with unidirectional freezing. Journal of Materials Chemistry A, 2015, 3, 2128-2134.	5.2	22
13	Novel Chemical Cross-Linked Ionogel Based on Acrylate Terminated Hyperbranched Polymer with Superior Ionic Conductivity for High Performance Lithium-Ion Batteries. Polymers, 2019, 11, 444.	2.0	22
14	High-efficiency grafting of halloysite nanotubes by using β -conjugated polyfluorenes via α -click chemistry. Journal of Materials Science, 2015, 50, 4387-4395.	1.7	21
15	Eco-friendly fabrication of Au nanoparticles immobilized on tannin-aminopropyltriethoxysilane-coated halloysite nanotubes for thermally tunable catalysis. Journal of Materials Science, 2020, 55, 17094-17107.	1.7	17
16	Conversion Dependence of thez-Average Mean Square Radii of Gyration for Hyperbranched Polymers with Excluded Volume Effect. Macromolecules, 2002, 35, 4193-4197.	2.2	16
17	A Novel Water-Soluble Fluorescence Probe with Wash-Free Cellular Imaging Capacity Based on AIE Characteristics. Macromolecular Rapid Communications, 2017, 38, 1600684.	2.0	15
18	Chemosensor-Anchored Halloysite Nanotubes for Detection and Removal of Hypochlorite in Water. ACS Applied Nano Materials, 2021, 4, 7435-7442.	2.4	15

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19	Photoredox Organocatalysts with Thermally Activated Delayed Fluorescence for Visible-Light-Driven Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021, 54, 4633-4640.	2.2	12
20	Conversion Dependence of the Average Mean-Square Radii of Gyration for Hyperbranched Polymers Formed by AB ₂ Type Monomers. <i>Macromolecules</i> , 2002, 35, 3306-3308.	2.2	10
21	Tunable fluorescent sensing of cysteine and homocysteine by intramolecular charge transfer. <i>Supramolecular Chemistry</i> , 2010, 22, 380-386.	1.5	10
22	Ladder-Type Perylene Diimides Linked by Pyrene Bridges at Bay Area. <i>ChemistrySelect</i> , 2016, 1, 267-271.	0.7	10
23	Investigation of a halloysite-based fluorescence probe with a highly selective and sensitive "turn-on" response upon hydrogen peroxide. <i>RSC Advances</i> , 2017, 7, 55067-55073.	1.7	10
24	Facile preparation of hyperbranched glycopolymers via an AB ₃ * inimer promoted by a hydroxyl/cerium(IV) redox process. <i>Polymer Chemistry</i> , 2018, 9, 5024-5031.	1.9	10
25	Synthesis of linear polyglucoside and inhibition on the amyloid fibril formation of hen egg white lysozyme. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 771-777.	3.6	10
26	Statistical theory for hydrogen bonding fluid system of A _n D _m type (I): The geometrical phase transition. <i>Science in China Series B: Chemistry</i> , 2006, 49, 499-506.	0.8	9
27	Microwave-assisted synthesis of 4,9-linked pyrene-based ladder conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1285-1288.	2.5	9
28	Conversion Dependence of the Mean Size of the Star-Branched Polymers Made by AB _n +A _m Type Polycondensation. <i>Macromolecules</i> , 2004, 37, 3470-3474.	2.2	6
29	Synthesis backbone-dual-responsive of hyperbranched poly(bis(N,N-ethyl acrylamide))s by RAFT. <i>Macromolecular Research</i> , 2014, 22, 1196-1202.	1.0	6
30	Synthesis of Pyrene-Based Planar Conjugated Polymers and the Regioisomers by Intramolecular Cyclization. <i>Chinese Journal of Chemistry</i> , 2015, 33, 431-440.	2.6	6
31	Synthesis and Characterization of Fully Conjugated Ladder Naphthalene Bisimide Copolymers. <i>Polymers</i> , 2018, 10, 790.	2.0	6
32	Facile Fabrication of Multiresponsive Self-Healing Hydrogels with Logic-Gate Responses. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000339.	1.1	6
33	The Synthesis of Backbone Thermo and pH Responsive Hyperbranched Poly(Bis(N,N-Propyl Acryl) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	5
34	Synthesis of TiO ₂ nanoparticles in the PAMAM hydrogen network template. <i>E-Polymers</i> , 2016, 16, 177-180.	1.3	4
35	Facile Synthesis of Ladder-Type Polyacenes with Perylene-Fused-Pyrene Structures. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800201.	1.1	4
36	Statistical theory for hydrogen bonding fluid system of A _n D _m type (II): Properties of hydrogen bonding networks. <i>Science in China Series B: Chemistry</i> , 2007, 50, 11-17.	0.8	3

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37	Preparation and characterization of crosslinked poly(methylmethacrylate) heat sensitive color-developing nanocapsules. <i>Polymer Bulletin</i> , 2010, 64, 375-386.	1.7	3
38	The self-assembly behaviors of TiO ₂ nanotree in dendritic PAMAM template. <i>Colloid and Polymer Science</i> , 2015, 293, 303-306.	1.0	3
39	Synthesis, characterization and fluorescent properties of water-soluble glycopolymer bearing curcumin pendant residues. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1451-1458.	0.6	3
40	Synthesis and characterization of curcumin-incorporated glycopolymers with enhanced water solubility and reduced cytotoxicity. <i>Macromolecular Research</i> , 2016, 24, 655-662.	1.0	3
41	Curing theory of Af- Ag type free radical polymerization (III). <i>Science in China Series B: Chemistry</i> , 2000, 43, 348-356.	0.8	2
42	Statistical theory for hydrogen bonding fluid system of AaDd type (III): Equation of state and fluctuations. <i>Science in China Series B: Chemistry</i> , 2007, 50, 183-189.	0.8	2
43	Preparation and Characterization of Heat Sensitive Color-developing Microcapsules. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1153-1158.	2.6	2
44	The radius of gyration for a ternary self-condensing vinyl polymerization system. <i>Science China Chemistry</i> , 2015, 58, 1875-1883.	4.2	2
45	Development of a halloysite nanotube-based 19F NMR probe as a promising detection tool for H ₂ O ₂ . <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	2
46	Is the polydispersity exponent of the hyperbranched polymers the 3/2 or 5/2?. <i>Science Bulletin</i> , 2006, 51, 1526-1528.	4.3	1
47	Investigate the z-average mean-square radius of gyration of star-shape polymers using the average number of subchains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125860.	0.9	1
48	A novel fluorescent glycopolymer for endogenous hydrogen peroxide imaging in living cells in a fully aqueous environment. <i>Polymer Journal</i> , 2020, 52, 481-491.	1.3	1
49	Multi-Color Emitting Pyrene Derivatives: Synthesis, Optoelectronic and Electroluminescent Properties. <i>ChemistrySelect</i> , 2020, 5, 12465-12469.	0.7	1
50	Preparation of allylamine-grafted cellulose by Ce(IV): a desirable candidate of oral phosphate binders. <i>Polymer Bulletin</i> , 2021, 78, 2537-2552.	1.7	1
51	Synthesis and characterization of the novel inimer-containing fluorene units and preparation of blue light-emitting polymers. <i>Polymer Bulletin</i> , 2011, 67, 427-439.	1.7	0
52	Statistical Investigation of the Mean Size Distribution of AB ₂ /B _f Type Hyperbranched Polymer. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 36-47.	0.4	0
53	One-Pot Free Radical Polymerization/Hydroxyl-Isocyanate Reaction: A Facile Strategy to Synthesize Hyperbranched Glycopoly(MaM/IM) with Tunable Structures. <i>Macromolecules</i> , 2021, 54, 2068-2078.	2.2	0
54	Pyrene-functionalized halloysite nanotubes for simultaneously detecting and separating Hg(II) in aqueous media: A comprehensive comparison on interparticle and intraparticle excimers. <i>Nanotechnology Reviews</i> , 2022, 11, 2038-2049.	2.6	0